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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1450, Alexandria, VA 22313-1450.

#### **Patent Application**

Applicant(s): P. Dube et al.

Docket No.:

YOR920030423US1

Serial No.:

10/718,210

Filing Date:

November 20, 2003

Group:

To Be Assigned

Examiner:

To Be Assigned

Title:

Methods and Apparatus for Managing Computing

Resources Based on Yield Management Framework

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants' attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed, other than published U.S. patent documents.

#### U.S. Patent Documents

- 1. U.S. Application Serial No. 10/316,251, filed in the name of Eilam et al. on December 10, 2002 and entitled "Methods and Apparatus for Dynamic Allocation of Servers to a Plurality of Customers to Maximize the Revenue of a Server Farm."
- 2. U.S. Application Serial No. 09/832,438, filed in the name of Liu et al. on April 10, 2001 and entitled "Apparatus and Methods for Maximizing Service-Level-Agreement Profits."
- 3. U.S. Application Serial No. 09/559,065, filed in the name of Goldszmidt et al. on April 28, 2000 and entitled "Method and Apparatus for Dynamically Adjusting Resources Assigned to

Plurality of Customers, for Meeting Service Level Agreements (SLAs) with Minimal Resources, and Allowing Common Pools of Resources to be Used Across Plural Customers on a Demand Basis."

- 4. U.S. Application Serial No. 09/543,207, filed on April 5, 2000 and entitled "Highly Scalable System and Method of Regulating Internet Traffic to Server Farm to Support (MIN,MAX) Bandwidth Usage-Based Service Level Agreements."
  - 5. U.S. Patent No. 6,567,824 issued on 05/20/03 to Fox
  - 6. U.S. Patent No. 6,526,392 issued on 02/25/03 to Dietrich et al.
  - 7. U.S. Patent No. 6,101,484 issued on 08/08/00 to Halbert et al.
  - 8. U.S. Patent No. 6,085,164 issued on 07/04/00 to Smith et al.
  - 9. U.S. Patent No. 5,255,184 issued on 10/19/93 to Hornick et al.
  - 10. U.S. Patent No. 5,270,921 issued on 12/14/93 to Hornick

It is believed that there is no fee due in conjunction with the filing of this Information Disclosure Statement. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit International Business Machines Corporation Deposit Account No. 50-0510 as required to correct the error.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Date: February 26, 2004

Respectfully submitted,

William E. Lewis Reg. No. 39,274

Attorney for Applicant(s)
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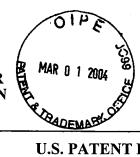
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# **FORM PTO-1449 (MODIFIED)**

## LIST OF PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

Examiner



Applicant(s): P. Dube et al.

Docket No.: YOR920030423US1

Serial No.: 10/718,210

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### **U.S. PATENT DOCUMENTS**

| 1. 10/316,251 12/10/02 Eilam et al.  2. 09/832,438 04/10/01 Liu et al.  3. 09/559,065 04/28/00 Goldszmidt et al.  4. 09/543,207 04/05/00  5. 6,567,824 05/20/03 Fox  6. 6,526,392 02/25/03 Dietrich et al.  7. 6,101,484 08/08/00 Halbert et al.  8. 6,085,164 07/04/00 Smith et al.  9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |              | C                   | .s. PATENT DOCUMENTS  |                |                            |
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| 2. 09/832,438 04/10/01 Liu et al.  3. 09/559,065 04/28/00 Goldszmidt et al.  4. 09/543,207 04/05/00  5. 6,567,824 05/20/03 Fox  6. 6,526,392 02/25/03 Dietrich et al.  7. 6,101,484 08/08/00 Halbert et al.  8. 6,085,164 07/04/00 Smith et al.  9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS  **XAMINER** **TRANSLATION NATION DATE COUNTRY CLASS/SUBCLASS YES NO OTHER DOCUMENTS  **XAMINER** **OTHER DOCUMENTS** **XAMINER** **XAMINER** **OTHER DOCUMENTS** **XAMINER** **XAMINER** **OTHER DOCUMENTS** **XAMINER** **XAMINER** **XAMINER** **OTHER DOCUMENTS** **XAMINER** **XAMINE | XAMINER<br>NITIAL | DOCUMENT NO. | DATE                | NAME                  | CLASS/SUBCLASS | FILING DATE  IF APPROPRIAT |
| 2. 09/832,438 04/10/01 Liu et al.  3. 09/559,065 04/28/00 Goldszmidt et al.  4. 09/543,207 04/05/00  5. 6,567,824 05/20/03 Fox  6. 6,526,392 02/25/03 Dietrich et al.  7. 6,101,484 08/08/00 Halbert et al.  8. 6,085,164 07/04/00 Smith et al.  9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS  **TRANSLATION CLASS/SUBCLASS YES NO OTHER DOCUMENTS  **TRANSLATION CLASS/SUBCLASS YES NO OTHER DOCUMENTS  **TRANSLATION CLASS/SUBCLASS YES NO OTHER DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                 | . 10/316,251 | 12/10/02            | Eilam et al.          |                |                            |
| 4. 09/543,207 04/05/00  5. 6,567,824 05/20/03 Fox  6. 6,526,392 02/25/03 Dietrich et al.  7. 6,101,484 08/08/00 Halbert et al.  8. 6,085,164 07/04/00 Smith et al.  9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS  TRANSLATION  TRANSLATION  OTHER DOCUMENTS  AMMINER  OTHER DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | •            | 04/10/01            | •                     |                |                            |
| 5. 6,567,824                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |              | 04/28/00            |                       |                |                            |
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| 7. 6,101,484 08/08/00 Halbert et al.  8. 6,085,164 07/04/00 Smith et al.  9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS  XAMINER  NITIAL DOCUMENT NO. DATE COUNTRY CLASS/SUBCLASS YES NO  OTHER DOCUMENTS  XAMINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                 | . 6,567,824  | 05/20/03            | Fox                   |                |                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                 | . 6,526,392  | 02/25/03            | Dietrich et al.       |                |                            |
| 9. 5,255,184 10/19/93 Hornick et al.  10. 5,270,921 12/14/93 Hornick  FOREIGN PATENT DOCUMENTS  XAMINER  SITIAL DOCUMENT NO. DATE COUNTRY CLASS/SUBCLASS YES NO  OTHER DOCUMENTS  XAMINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _ 7               | . 6,101,484  | 08/08/00            | Halbert et al.        |                |                            |
| TRANSLATION  STANSLATION  TOTHER DOCUMENTS  TOTHER DOCUMENTS  TOTHER DOCUMENTS  TRANSLATION  TOTHER DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                 | . 6,085,164  | 07/04/00            | Smith et al.          |                |                            |
| FOREIGN PATENT DOCUMENTS  XAMINER NITIAL DOCUMENT NO. DATE COUNTRY CLASS/SUBCLASS YES NO  OTHER DOCUMENTS  XAMINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9                 | . 5,255,184  | 10/19/93            | Hornick et al.        | ·              |                            |
| XAMINER TRANSLATION NITIAL DOCUMENT NO. DATE COUNTRY CLASS/SUBCLASS YES NO OTHER DOCUMENTS  XAMINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                 | 0. 5,270,921 | 12/14/93            | Hornick               |                |                            |
| OTHER DOCUMENTS  AMBINER  OCCUMENTS  CLASS/SUBCLASS YES NO  OTHER DOCUMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |              | FOR                 | EIGN PATENT DOCUMENTS |                |                            |
| XAMINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | XAMINER<br>NITIAL | DOCUMENT NO. | DATE                | COUNTRY               | CLASS/SUBCLASS |                            |
| ITIAL REF NO. AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |              |                     |                       | ,,             |                            |
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Date Considered